

Abstract

A valve assembly including a valve and a valve actuator assembly is provided. The valve actuator assembly is configured to open and close the valve in response to a command signal from a controller. The actuator assembly can include a gear assembly that is configured to engage the valve, a motor that is configured to engage the gear assembly and drive the gear assembly in a first direction, and a biasing structure that is configured to engage the gear assembly and drive the gear assembly in a second direction. The motor, actuator assembly, and/or valve may include a brake that reduces or limits the return speed of the valve.

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